MySQL Workbench — Local instance MySQL80

Screenshot 1 — SQL Editor

```sql
1   CREATE DATABASE EmployeeDB;
2   USE EmployeeDB;
3   CREATE TABLE Empl (
4       empno INT PRIMARY KEY,
5       ename VARCHAR(50),
6       job VARCHAR(50),
7       mgr INT,
8       hiredate DATE,
9       sal DECIMAL(10,2),
10      comm DECIMAL(10,2),
11      deptno INT
12  );
13
```

SQLAdditions — Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.
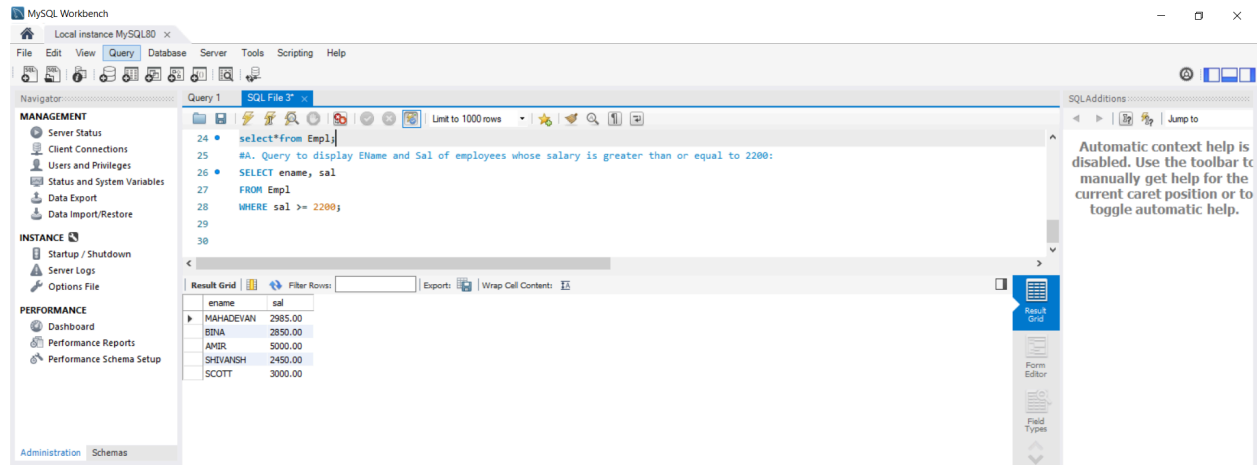
Output — Action Output

#	Time	Action	Message	Duration / Fetch
❌ 1	18:03:17	CREATE TABLE Empl (empno INT PRIMARY KEY, ename VARCHAR(50), job VARCHAR(50), mgr IN...	Error Code: 1046. No database selected Select the default DB to be used by double-clicking its name in the SCH...	0.000 sec
✅ 2	18:04:10	CREATE DATABASE EmployeeDB	1 row(s) affected	0.015 sec
✅ 3	18:06:16	USE EmployeeDB	0 row(s) affected	0.000 sec
✅ 4	18:06:27	CREATE TABLE Empl (empno INT PRIMARY KEY, ename VARCHAR(50), job VARCHAR(50), mgr IN...	0 row(s) affected	0.047 sec

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Screenshot 2 — SQL Editor with Result Grid

```sql
19  (8698, 'BINA', 'MANAGER', 8839, '1991-05-01', 2850.00, NULL, 30),
20  (8882, 'SHIVANSH', 'MANAGER', 8839, '1991-06-09', 2450.00, NULL, 10),
21  (8883, 'SCOTT', 'ANALYST', 8566, '1992-12-09', 3000.00, NULL, 20),
22  (8839, 'AMIR', 'PRESIDENT', NULL, '1991-11-18', 5000.00, NULL, 10),
23  (8844, 'KULDEEP', 'SALESMAN', 8698, '1991-09-08', 1500.00, 0.00, 30);
24  select*from Empl;
25
```

Result Grid — Empl 1

empno	ename	job	mgr	hiredate	sal	comm	deptno
8369	SMITH	CLERK	8902	1990-12-18	800.00	NULL	20
8499	ANYA	SALESMAN	8698	1991-02-20	1600.00	300.00	30
8521	SETH	SALESMAN	8698	1991-02-22	1250.00	500.00	30
8566	MAHADEVAN	MANAGER	8839	1991-04-02	2985.00	NULL	20
8654	MOMIN	SALESMAN	8698	1991-09-28	1250.00	1400.00	30
8698	BINA	MANAGER	8839	1991-05-01	2850.00	NULL	30
8839	AMIR	PRESIDENT	NULL	1991-11-18	5000.00	NULL	10
8844	KULDEEP	SALESMAN	8698	1991-09-08	1500.00	0.00	30
8882	SHIVANSH	MANAGER	8839	1991-06-09	2450.00	NULL	10
8883	SCOTT	ANALYST	8566	1992-12-09	3000.00	NULL	20
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

Output — Action Output

#	Time	Action	Message	Duration / Fetch
❌ 1	18:03:17	CREATE TABLE Empl (empno INT PRIMARY KEY, ename VARCHAR(50), job VARCHAR(50), mgr I...	Error Code: 1046. No database selected Select the default DB to be used by double-clicking its name in the SCH...	0.000 sec
✅ 2	18:04:10	CREATE DATABASE EmployeeDB	1 row(s) affected	0.015 sec
✅ 3	18:06:16	USE EmployeeDB	0 row(s) affected	0.000 sec
✅ 4	18:06:27	CREATE TABLE Empl (empno INT PRIMARY KEY, ename VARCHAR(50), job VARCHAR(50), mgr I...	0 row(s) affected	0.047 sec
✅ 5	18:07:19	INSERT INTO Empl (empno, ename, job, mgr, hiredate, sal, comm, deptno) VALUES (8369, 'SMITH', 'CLERK', 8...	10 row(s) affected Records: 10 Duplicates: 0 Warnings: 0	0.016 sec
✅ 6	18:07:37	select*from Empl LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec

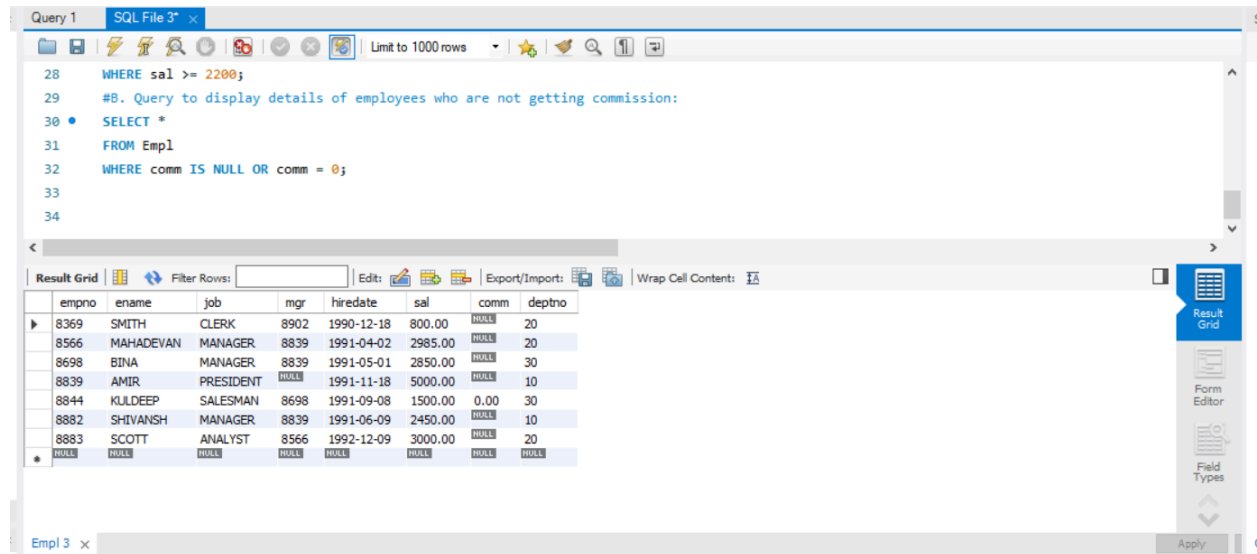A. Query to display ENamand Saof employees whose salary is greater than or equal to 2200:


```
24 •   select*from Empl;
25     #A. Query to display EName and Sal of employees whose salary is greater than or equal to 2200:
26 •   SELECT ename, sal
27     FROM Empl
28     WHERE sal >= 2200;
29
30
```

ename	sal
MAHADEVAN	2985.00
BINA	2850.00
AMIR	5000.00
SHIVANSH	2450.00
SCOTT	3000.00

B. Query to display details of employees who are not getting commission:


```
28     WHERE sal >= 2200;
29     #B. Query to display details of employees who are not getting commission:
30 •   SELECT *
31     FROM Empl
32     WHERE comm IS NULL OR comm = 0;
33
34
```

empno	ename	job	mgr	hiredate	sal	comm	deptno
8369	SMITH	CLERK	8902	1990-12-18	800.00	NULL	20
8566	MAHADEVAN	MANAGER	8839	1991-04-02	2985.00	NULL	20
8698	BINA	MANAGER	8839	1991-05-01	2850.00	NULL	30
8839	AMIR	PRESIDENT	NULL	1991-11-18	5000.00	NULL	10
8844	KULDEEP	SALESMAN	8698	1991-09-08	1500.00	0.00	30
8882	SHIVANSH	MANAGER	8839	1991-06-09	2450.00	NULL	10
8883	SCOTT	ANALYST	8566	1992-12-09	3000.00	NULL	20
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

C. Query to display employee name and salary of employees whose salary is **not** in the range 2500 to 4000:

```
32    WHERE comm IS NULL OR comm = 0;
33    #C. Query to display employee name and salary of employees whose salary is not in the range 2500 to 4000:
34 ●  SELECT ename, sal
35    FROM Empl
36    WHERE sal < 2500 OR sal > 4000;
37
38
```

ename	sal
SMITH	800.00
ANYA	1600.00
SETH	1250.00
MOMIN	1250.00
AMIR	5000.00
KULDEEP	1500.00
SHIVANSH	2450.00

Empl 4 ×

D. Query to display the name, job title, and salary of employees who don't have a manager:

```
37    #D. Query to display the name, job title, and salary of employees who don't have a manager:
38 ●  SELECT ename, job, sal
39    FROM Empl
40    WHERE mgr IS NULL;
41
42
43
```

ename	job	sal
AMIR	PRESIDENT	5000.00

E. Query to display the name of an employee whose name contains "A" as the third alphabet:

```
Query 1    SQL File 3*  ×

 📁 💾 │ ⚡ 🔧 🔍 ⏱ │ 🔲 │ ✓ ✗ 🔲 │ Limit to 1000 rows  ▾ │ ⭐ │ 🛩 🔍 ⊓ ⏎

   41      #E. Query to display the name of an employee whose name contains "A" as the third alphabet:
   42  ●   SELECT ename
   43      FROM Empl
   44      WHERE SUBSTRING(ename, 3, 1) = 'A';
   45
   46
   47      |

 <                                                                              >

 Result Grid │ ▦ │ ❯ Filter Rows:              │ Export: 🖫 │ Wrap Cell Content: IA          🔲

   ename
```

F. Query to display the name of an employee whose name contains "T" as the last alphabet:

```
Query 1    SQL File 3*  ×

 📁 💾 │ ⚡ 🔧 🔍 ⏱ │ 🔲 │ ✓ ✗ 🔲 │ Limit to 1000 rows  ▾ │ ⭐ │ 🛩 🔍 ⊓ ⏎

   46  ●   SELECT ename
   47      FROM Empl
   48      WHERE ename LIKE '%T';
   49
   50
   51
   52

 <                                                                              >

 Result Grid │ ▦ │ ❯ Filter Rows:              │ Export: 🖫 │ Wrap Cell Content: IA          🔲

   ename
 ▶ SCOTT
```